

## OPINION 1914

*Belemnotheutis* Pearce, 1842, *Geopeltis* Regteren Altena, 1949, *Geoteuthis* Münster, 1843, *Jeletzkyteuthis* Doyle, 1990, *Loligosepia* Quenstedt, 1839, *Parabelopeltis* Naef, 1921, *Paraplesioteuthis* Naef, 1921 (Mollusca, Coleoidea): conserved, and the specific name of *Belemnoteuthis* (sic) *montefiorei* Buckman, 1880: conserved

**Keywords.** Nomenclature; taxonomy; Cephalopoda; Coleoidea; Jurassic; *Belemnosepia*; *Belemnotheutis*; *Geopeltis*; *Geoteuthis*; *Jeletzkyteuthis*; *Loligosepia*; *Parabelopeltis*; *Paraplesioteuthis*; *Belemnoteuthis montefiorei*.

**Ruling**

- (1) Under the plenary powers the following names are hereby suppressed for the purposes of the Principle of Priority but not for those of the Principle of Homonymy:
  - (a) the generic names:
    - (i) *Belemnosepia* Buckland & Agassiz in Buckland, 1836;
    - (ii) *Atramentarius* Buckland & Agassiz in Buckland, 1838;
  - (b) the specific name *belemnitooides* Buckland, 1830, as published in the binomen *Orthoceras belemnitooides*.
- (2) The following names are hereby placed on the Official List of Generic Names in Zoology:
  - (a) *Geopeltis* Regteren Altena, 1949 (gender: feminine), type species by original designation *Belopeltis simplex* Voltz, 1840;
  - (b) *Geoteuthis* Münster, 1843 (gender: feminine), type species by subsequent designation by Bülow-Trummer (1920) *Loligo bollensis* Schübler in Zieten, 1832;
  - (c) *Jeletzkyteuthis* Doyle, 1990 (gender: feminine), type species by original designation *Teudopsis agassizii* Eudes-Deslongchamps, 1835;
  - (d) *Loligosepia* Quenstedt, 1839 (gender: feminine), type species by subsequent designation by Regteren Altena (1949) *Loligo aalensis* Schübler in Zieten, 1832;
  - (e) *Parabelopeltis* Naef, 1921 (gender: feminine), type species by monotypy *Geoteuthis flexuosa*, Münster, 1843;
  - (f) *Paraplesioteuthis* Naef, 1921 (gender: feminine), type species by original designation and monotypy *Geoteuthis sagittata* Münster, 1843;
  - (g) *Belemnotheutis* Pearce, 1842 (gender: feminine), type species by subsequent monotypy by Pearce (1847) *Belemnoteuthis* (sic) *antiqua* Pearce, 1847.
- (3) The following names are hereby placed on the Official List of Specific Names in Zoology:
  - (a) *simplex* Voltz, 1840, as published in the binomen *Belopeltis simplex* (specific name of the type species of *Geopeltis* Regteren Altena, 1949);
  - (b) *bollensis* Schübler in Zieten, 1832, as published in the binomen *Loligo bollensis* (specific name of the type species of *Geoteuthis* Münster, 1843);

- (c) *agassizii* Eudes-Deslongchamps, 1835, as published in the binomen *Teudopsis agassizii* (specific name of the type species of *Jeletzkyteuthis* Doyle, 1990);
  - (d) *aalensis* Schübler in Zieten, 1832, as published in the binomen *Loligo aalensis* (specific name of the type species of *Loligosepia* Quenstedt, 1839);
  - (e) *flexuosa* Münster, 1843, as published in the binomen *Geoteuthis flexuosa* Münster, 1843 (specific name of the type species of *Parabelopeltis* Naef, 1921);
  - (f) *sagittata* Münster, 1843, as published in the binomen *Geoteuthis sagittata* (specific name of the type species of *Paraplesioteuthis* Naef, 1921);
  - (g) *montefiorei* Buckman, 1880, as published in the binomen *Belemnoteuthis montefiorei*;
  - (h) *antiqua* Pearce, 1847, as published in the binomen *Belemnoteuthis* (sic) *antiqua* [recte *antiqua*] (specific name of the type species of *Belemnotheutis* Pearce, 1842).
- (4) The following names are hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology:
- (a) *Belemnosepia* Buckland & Agassiz in Buckland, 1836, as suppressed in (1)(a)(i) above;
  - (b) *Atramentarius* Buckland & Agassiz in Buckland, 1838, as suppressed in (1)(a)(ii) above;
  - (c) *Belemnoteuthis* Pearce, 1847 (unavailable as an incorrect subsequent spelling of *Belemnotheutis*).
- (5) The name *belemnitooides* Buckland, 1830, as published in the binomen *Orthoceras belemnitooides* and as suppressed in (1)(b) above, is hereby placed on the Official Index of Rejected and Invalid Specific Names in Zoology.
- (6) The name BELEMNOSEPIIDAE Naef, 1921 is hereby placed on the Official Index of Rejected and Invalid Family-Group names in Zoology (invalid because the name of the type genus has been suppressed in (1)(a)(i) above).

### History of Case 2987

An application for the conservation of six generic names for Jurassic coleoid cephalopods by the suppression of the unused name *Belemnosepia* Buckland & Agassiz in Buckland, 1836, and the conservation of the specific name of *Belemnoteuthis montefiorei* Buckman, 1880 by the suppression of *Orthoceras belemnitooides* Buckland, 1830, was received from Dr T. Engeser (*Institut für Paläontologie, Freie Universität Berlin, Berlin, Germany*) and Prof D.T. Donovan (*University College London, London, U.K.*) on 19 May 1995. After correspondence the case was published in BZN 53: 253–260 (December 1996). Notice of the case was sent to appropriate journals.

Comments in support of the application from Dr Peter Doyle (*University of Greenwich, Chatham Maritime, Kent, U.K.*) and from Dr R.A. Hewitt (*Leigh-on-Sea, Essex, U.K.*) were published in BZN 54: 104 (June 1997).

A further comment in support from Dr W. Riegraf (*Münster, Germany*) was published in BZN 54: 184–185 (September 1997). Dr Riegraf also proposed (BZN 54: 185) that the name *Atramentarius* Buckland & Agassiz in Buckland, 1838 be suppressed to conserve *Belemnotheutis* Pearce, 1842, and that the original spelling of

*Belemnotheutis*, which had recently been adopted by Donovan & Crane (1992) and Riegraf (1995), be placed on the Official List.

In a reply published in BZN 55: 29 (March 1998), the authors of the application supported Riegraf's additional proposals.

The case was offered for voting in two parts. Vote (1) related to conservation of the six generic names in use by the suppression of *Belemnosepia* Buckland & Agassiz in Buckland, 1836, conservation of the specific name of *Belemnoteuthis* (sic) *montefiorei* Buckman, 1880 by suppression of *Orthoceras belemnitooides* Buckland, 1830, and suppression of *Atramentarius* (proposals on BZN 53: 257–258 and items (1) and (4)(a) on BZN 54: 185). Vote (2) related to the placement of *Belemnotheutis* Pearce, 1842, and the name of its type species *Belemnoteuthis* (sic) *antiqua* Pearce, 1847, on Official Lists (items (2), (3) and (4)(b) on BZN 54: 185).

### Decision of the Commission

On 1 September 1998 the members of the Commission were invited to vote on the proposals published in BZN 53: 257–258 and 54: 185. At the close of the voting period on 1 December 1998 the votes were as follows:

Vote 1. Affirmative votes — 19: Bock, Brothers, Cocks, Cogger, Dupuis (part), Eschmeyer, Kabata, Macpherson, Mahnert, Martins de Souza, Mawatari, Minelli, Nielsen, Nye, Papp, Patterson, Savage, Schuster, Štys

Negative votes — 1: Bouchet.

Vote 2. Affirmative votes — 17: Bock, Brothers, Cocks, Cogger, Eschmeyer, Kabata, Macpherson, Mahnert, Martins de Souza, Mawatari, Nielsen, Nye, Papp, Patterson, Savage, Schuster, Štys (part)

Negative votes — 1: Bouchet.

Dupuis and Minelli abstained.

No votes were received from Lehtinen, Kerzhner, Kraus and Song.

Heppell and Ride were on leave of absence.

Bouchet commented: 'My reasons for voting against the application are threefold. (1) While I sympathize with the intent of the authors to stabilize the nomenclature and usage of a number of long-established names, the authors themselves noted (para. 6 of the application) 'the limited use of these names in recent years'. Moreover, the name *Jeletzkyteuthis* Doyle, 1990 had only been established for six years when the application was published and, in my view, hardly qualifies for conservation. (2) The Commission is asked to treat *Belemnoteuthis* as an incorrect subsequent spelling of *Belemnotheutis* when etymology, usage and consistency in formation of names ending in *-teuthis* all point to the opposite. (3) Finally, the Commission is asked to reject the name *Orthoceras belemnitooides* Buckland, 1830 which 'has not been used for very many years' (but the application does not provide information on its actual usage), and to conserve the name *Belemnoteuthis montefiorei* Buckman, 1880 (and the application refers to 11 publications by nine authors to document its usage). I consider that the application contains insufficient information for an informed vote on this proposed suppression'. Dupuis voted for proposals (1)(a)-(b), (4), (5) and (6) on BZN 53: 257–258, but abstained from proposals (2) and (3) and also the proposals on BZN 54: 185. Minelli abstained from proposals (2), (3) and (4) on BZN 54: 185. Štys voted against proposal (4)(b) on BZN 54: 185.

## Original references

The following are the original references to the names placed on Official Lists and Official Indexes by the ruling given in the present Opinion:

- aalensis*, *Loligo*, Schübler, 1832, in Zieten, C.H. von. *Die Versteinerungen Württembergs. Expeditum des Werkes 'Unsere Zeit'*, part 5, p. 34.
- agassizii*, *Teudopsis*, Eudes-Deslongchamps, 1835, *Mémoires de la Société Linnéenne de Normandie*, 5: 72.
- antiqua*, *Belemnoteuthis* (sic), Pearce, 1847, *London Geological Journal*, 2: pls. 15–16.
- Atramentarius* Buckland & Agassiz, 1838, in Buckland, W., *Geologie und Mineralogie in Beziehung zur natürlichen Theologie*, vol. 2, pl. 44", fig. 7, footnote.
- belemnitooides*, *Orthoeras*, Buckland, 1830, *Edinburgh New Philosophical Journal*, 8: 23.
- Belemnosepia* Buckland & Agassiz, 1836, in Buckland, W., *Neues Jahrbuch für Mineralogie, Geognosie, Geologie und Petrefaktenkunde*, 1836: 39.
- BELEMNOSEPIIDAE Naef, 1921, *Fauna und Flora des Golfes von Neapel*, 35: 47.
- Belemnoteuthis* Pearce, 1847, *London Geological Journal*, 2: pls. 15–16.
- Belemnotheutis* Pearce, 1842, *Proceedings of the Geological Society of London*, 3: 593.
- bollensis*, *Loligo*, Schübler, 1832, in Zieten, C.H. von. *Die Versteinerungen Württembergs. Expeditum des Werkes 'Unsere Zeit'*, part 5, p. 34.
- flexuosa*, *Geoteuthis*, Münster, 1843, in Münster, G. Graf zu, Meyer, H.V. & Wagner, R. (Eds.), *Beiträge zur Petrefakten-Kunde ...*, p. 75.
- Geopeltis* Regteren Altena, 1949, *Archives du Musée Teyler*, (3)10: 56.
- Geoteuthis* Münster, 1843, in Münster, G. Graf zu, Meyer, H.V. & Wagner, R. (Eds.), *Beiträge zur Petrefakten-Kunde ...*, p. 68.
- Jeletzkyteuthis* Doyle, 1990, *Palaeontology*, 33: 198.
- Loligosepia* Quenstedt, 1839, *Neues Jahrbuch für Mineralogie, Geognosie, Geologie und Petrefaktenkunde*, 1839: 163.
- montefiorei*, *Belemnoteuthis* (sic), Buckman, 1880, *Proceedings of the Dorset Natural History and Antiquarian Field Club*, 3: 141.
- Parabelopeltis* Naef, 1921, *Mitteilungen aus der Zoologischen Station zu Neapel*, 22: 534.
- Paraplesioteuthis* Naef, 1921, *Mitteilungen aus der Zoologischen Station zu Neapel*, 22: 534.
- sagittata*, *Geoteuthis*, Münster, 1843, in Münster, G. Graf zu, Meyer, H.V. & Wagner, R. (Eds.), *Beiträge zur Petrefakten-Kunde ...*, p. 72.
- simplex*, *Belopeltis*, Voltz, 1840, *Mémoires de la Société du Muséum d'Histoire Naturelle de Strasbourg*, 3: 23.

The following is the reference for the designation of *Loligo bollensis* Schübler in Zieten, 1832 as the type species of the nominal genus *Geoteuthis* Münster, 1843:

- Bülow-Trummer, E. von. 1920. *Fossilium Catalogus 1: Animalia*, part 11 (Cephalopoda dibranchiata), p. 252.

The following is the reference for the designation of *Loligo aalensis* Schübler in Zieten, 1832 as the type species of the nominal genus *Loligosepia* Quenstedt, 1839:

- Regteren Altena, C.O. van. 1949. *Archives du Musée Teyler*, (3)10: 58.

The following is the reference for the designation of *Belemnoteuthis* (sic) *antiqua* Pearce, 1847 as the type species of the nominal genus *Belemnotheutis* Pearce, 1842:

- Pearce, J.C. 1847. *London Geological Journal*, 2: pls. 15–16.